Figure 1

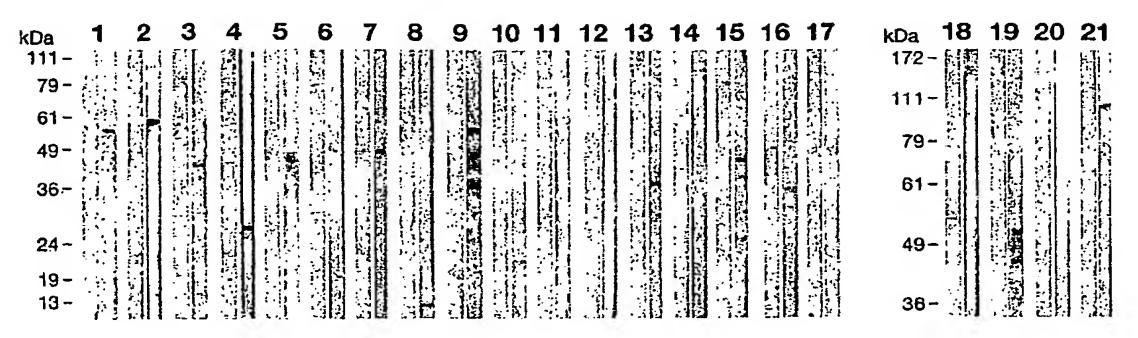


Figure 2

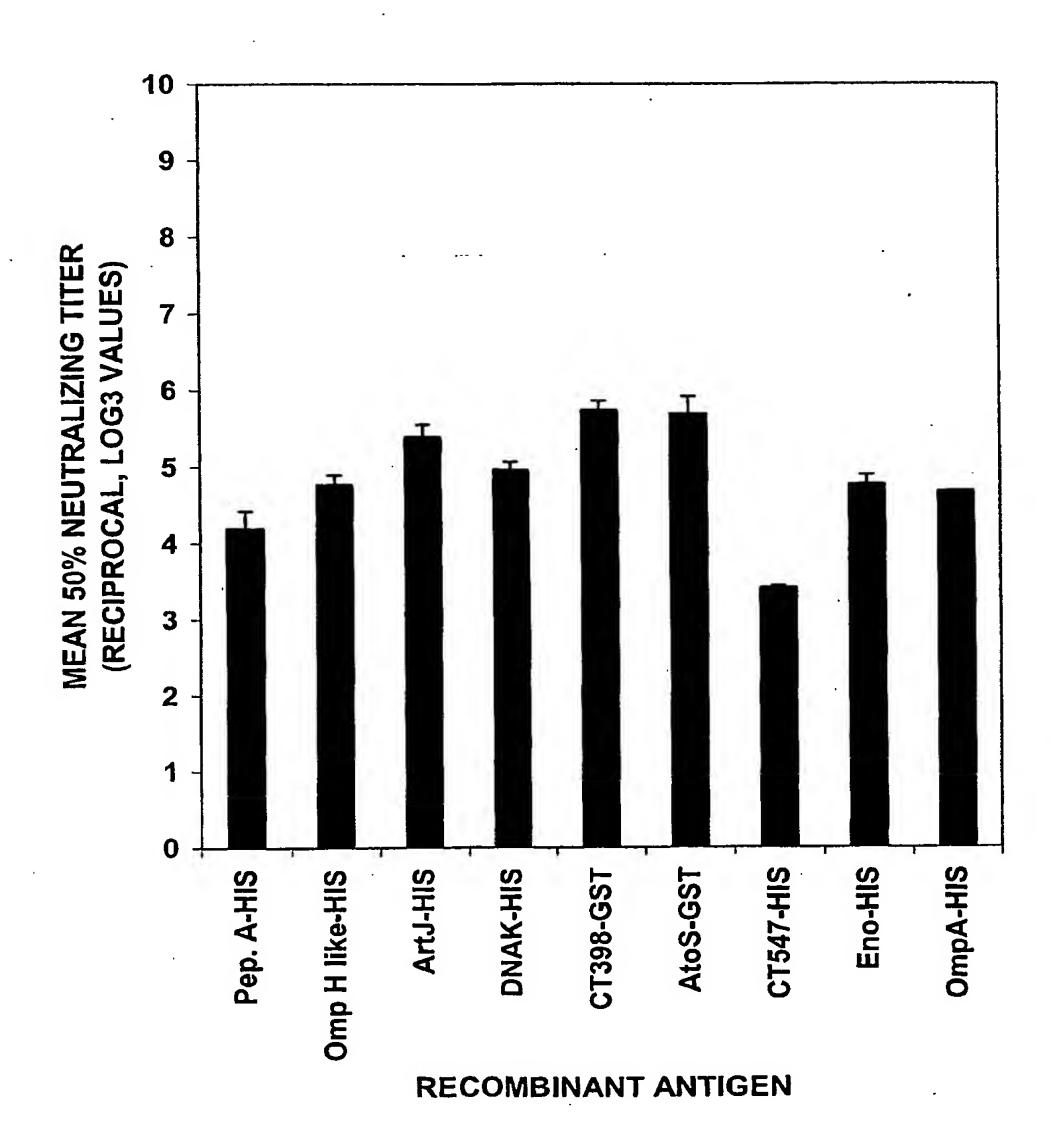
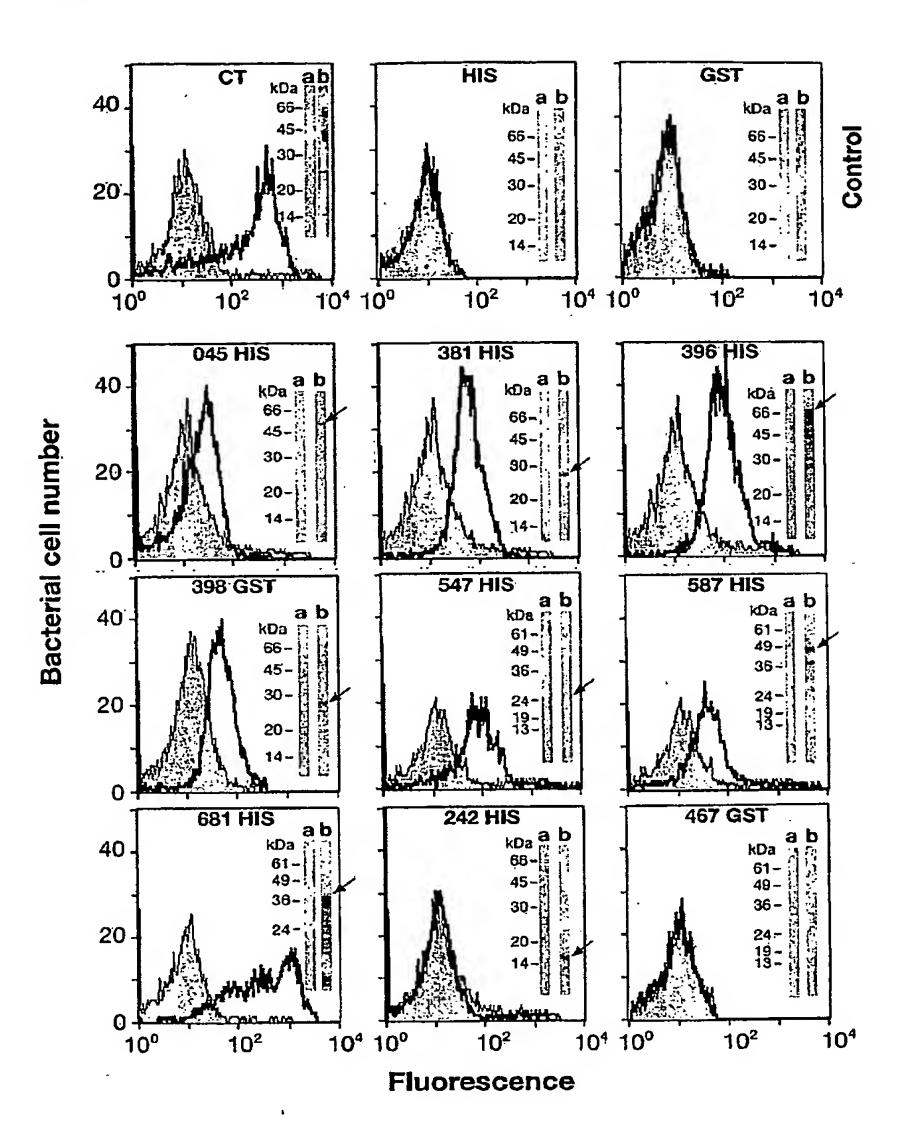


Figure 3



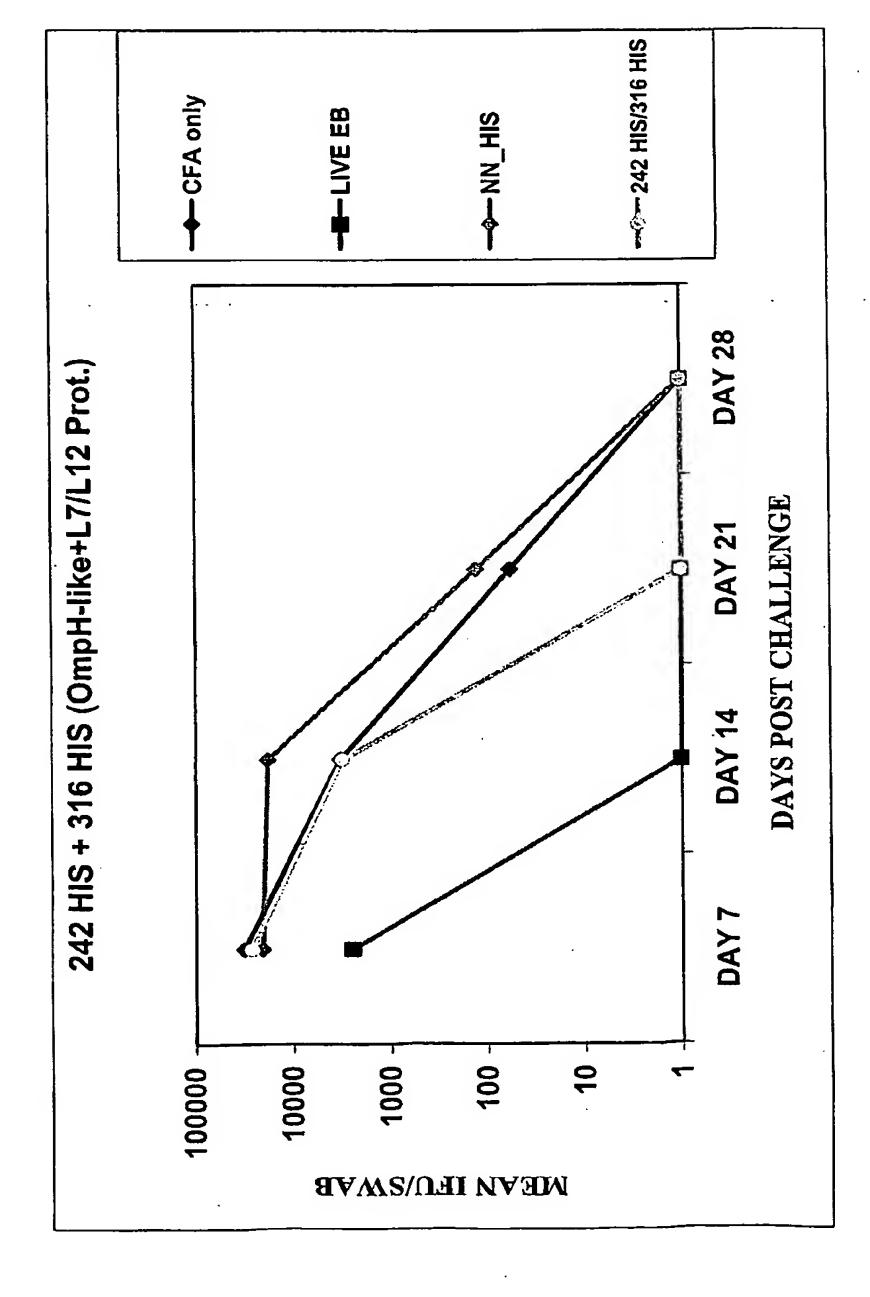


Figure 4

Figure 5

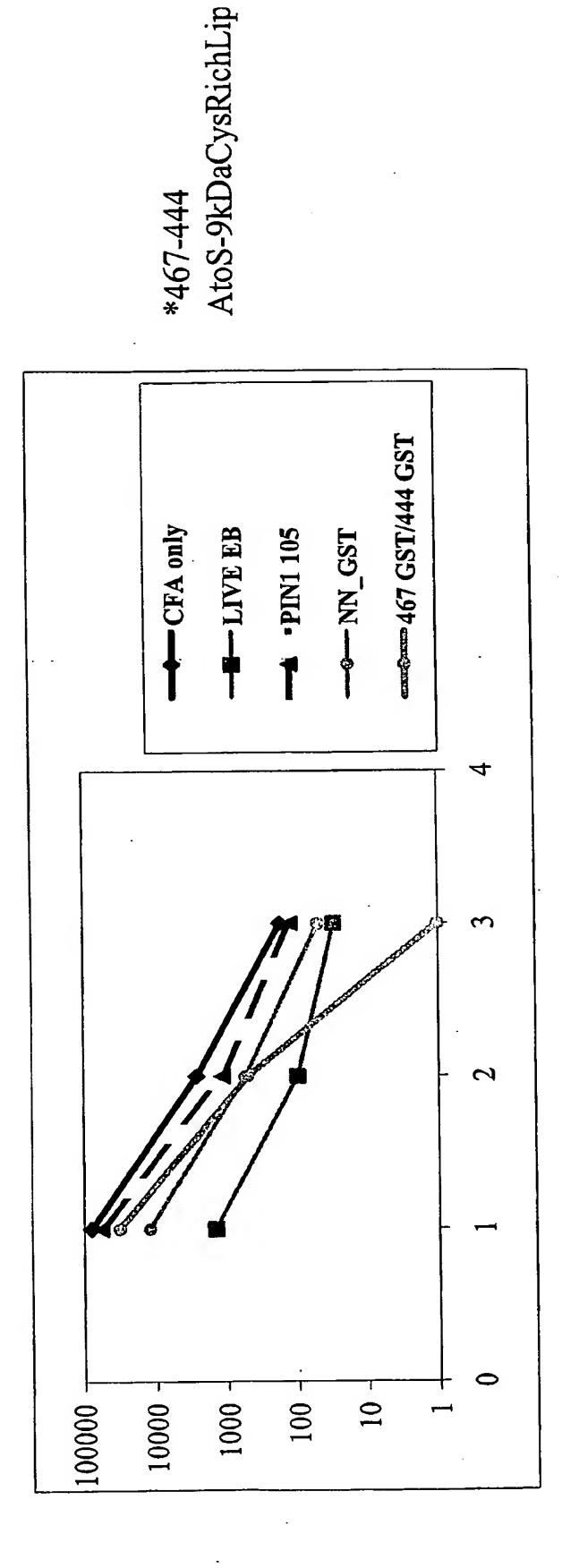
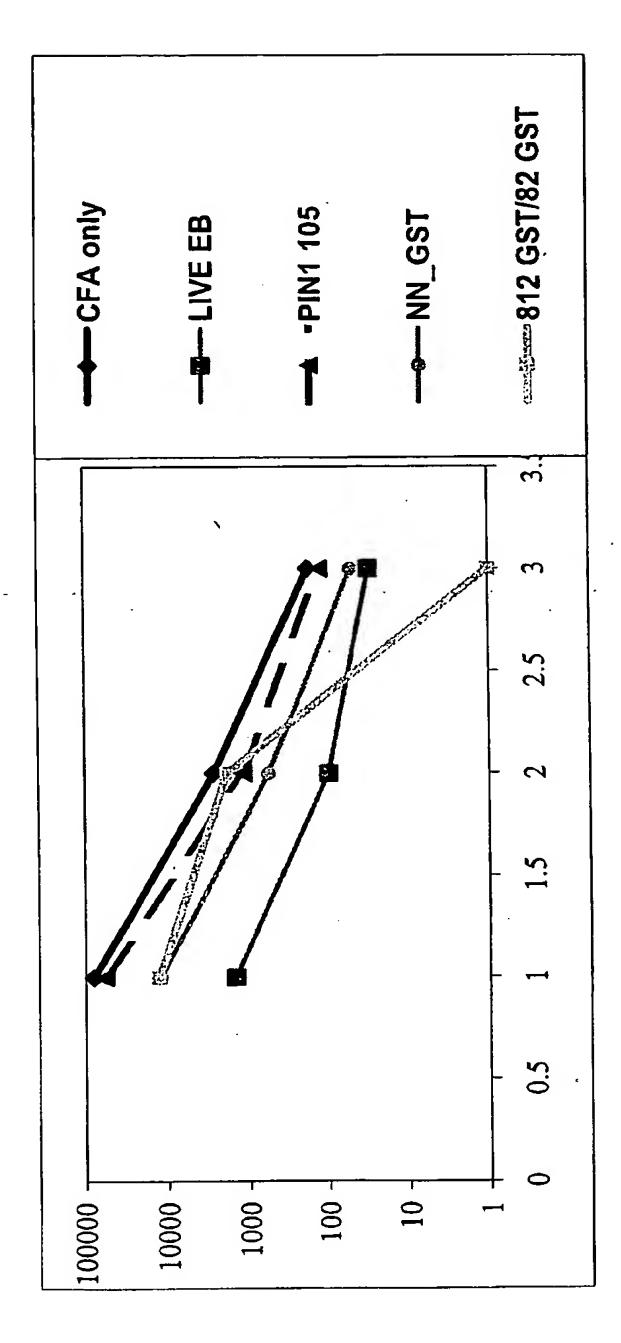


Figure 6



812-082 PmpD-Hyp.prot.

WO 2005/002619 PCT/US2004/020491

Figure 7(a)

Group	Day	Mean IFU/Swab	SD (Standard Deviation)	%IFU Reduction	P value
CFA only	7	4046	3200		
	14	1012	902		
	21	0	0		7
ive EB	7	50	73	99	0.07
	14	53	130	98	0.04
	21	OC	) .		
242+316 his	7	4740	3798	33	0.27
	14	127	178	87	0.02
	21	00	)		

Figure 7(b)

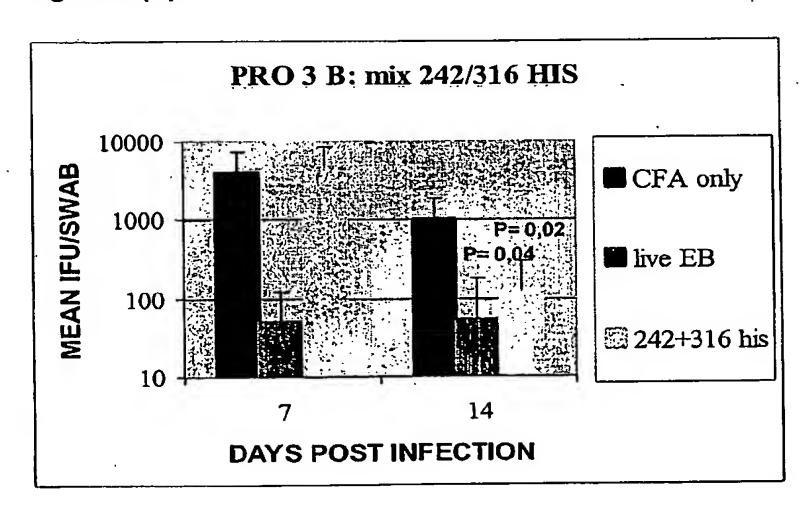
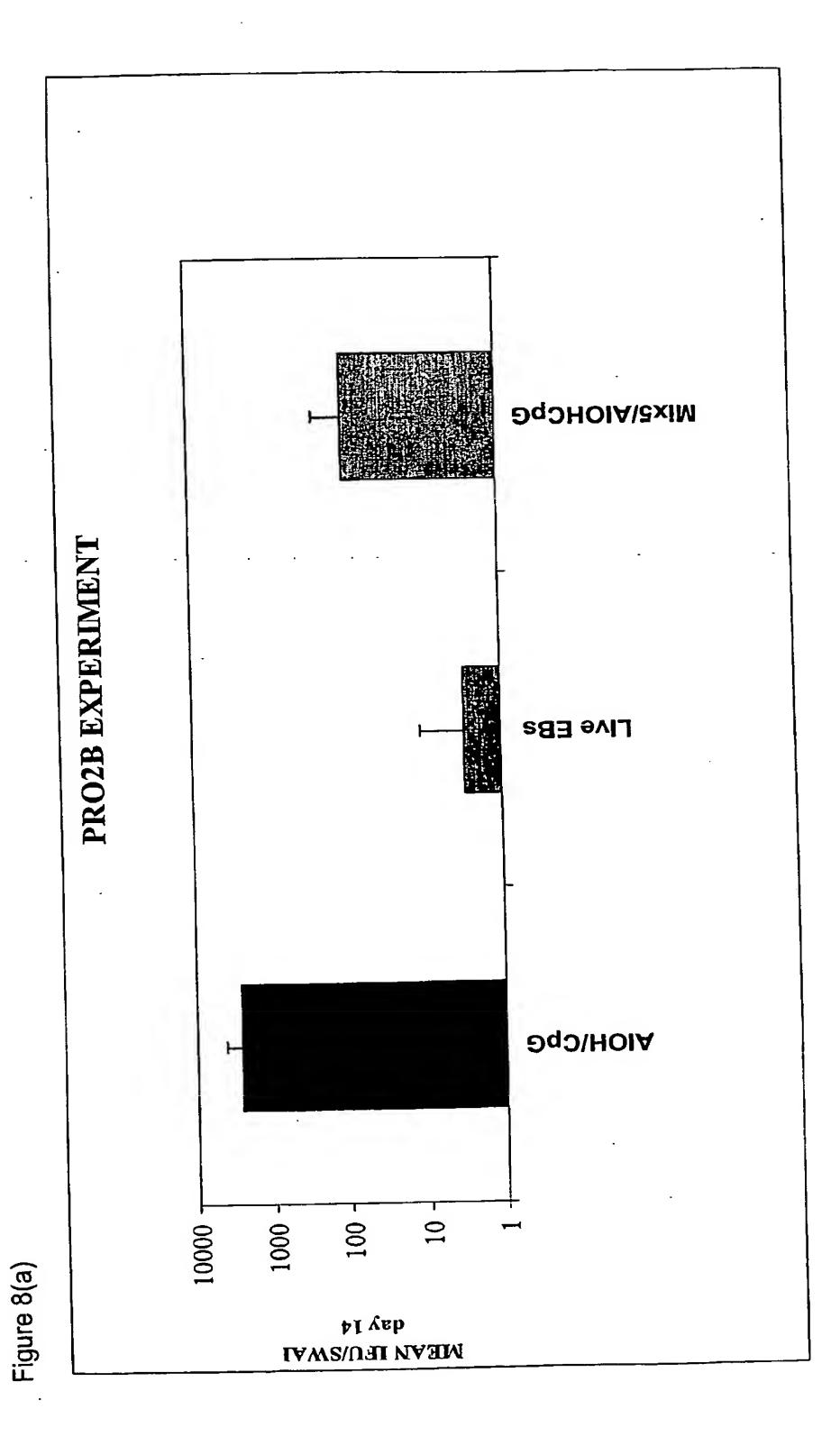


Figure 7(c)

	BAI	B/c MICE				
CT	ELISA	TITER	<b>\</b>	W.B on	FACS	NEUT
antigen	tot. IgG	IgG1	IgG2a	EBs	K-S	Titer
242	24000	Not Determ	Not Determ	NC	15.5	01:50
316	10200	Not Determ	Not Determ	PC		

ean IFU/swab . 11	ligate of a			
3 26	GROUP	Mean IFU/swab.	Standard Deviation	%Reduction
3	A10H/CpG	2611	1631	
03	Tive FRe	3	8	66
(%)	Miws/AloHCnG	93	140	96



.

Figure 8(c)

SEROLOGY DATA PRO 2B

EXPERIMENT

CT     tot. IgG     TITER     IgG2a     P.       45 HIS     62.0     123.000     273.000     384.000     12.000     73.000     73.000     P.C.       89 HIS     84.000     129.000     203.000     380.000     53.000     144.000       398 HIS     61.000     113.000     318.000     552.000     34.000     117.000       381 HIS     134.000     16.000     129.000     17.000     8400     8400	DALD/C		The state of the s	A CONTRACTOR OF THE PARTY OF TH				2007 Sept. S			
Part     tot. IgG     TgGI     Ig       CFA     AI+CpG     AI-CpG		ELISA		TITER				r Bon		FACS	<u> </u>
CFA     AI+CpG     CFA     AI+CpG     CFA     AI+CpG     CFA     AI+CpG     CFA     AI+CpG     CFA     CFA     AI+CpG     CFA     CFA     AI+CpG     CFA     AI+CpG     CFA     AI+CpG     CFA     AI+CpG     CFA     AI+CpG     AI-000     AI-000 <t< th=""><th></th><th>ot. IdG</th><th>DI</th><th>et.</th><th>) DI</th><th>32a.</th><th></th><th>EBS</th><th>7.7</th><th>K:S:</th><th>- 8</th></t<>		ot. IdG	DI	et.	) DI	32a.		EBS	7.7	K:S:	- 8
62.0   123.000   273.000   384.000   12.000     37.000   360.000   360.000   400.000   38.000     5   84.000   129.000   203.000   380.000   53.000   1     5   61.000   113.000   318.000   552.000   34.000   34.000     5   134.000   16.000   129.000   17.000   42.000	CFA	AI+CDG		5		4I+CpG	CFA	AI+CpG CFA	3 CFA	AI+CpG	
S   37.000   360.000   360.000   400.000   38.000     S   84.000   129.000   203.000   380.000   53.000     S   61.000   113.000   318.000   552.000   34.000     S   134.000   16.000   129.000   17.000   42.000		123,000	2		12.000	73.000	P.C.	P.C.	32,34	33,55	<del></del>
S   S		360 000	360.000		38.000	99.000			=		= 1
84.000 129.000 203.000 34.000   61.000 113.000 318.000 552.000 34.000   134.000 16.000 129.000 17.000 42.000		000.000	203 000	1	23,000	144.000			t		<u>-</u> -
61.000 113.000 318.000 552.000 54.000   134.000 16.000 129.000 17.000 42.000		179.000	203.000	1.	00075	117 000			1		
134.000 16.000 129.000 17.000 42.000		113.000	318.000	- 1	34.000	11/2000			-		Т.
			129.000		42.000	8400			=		

(a band of the expected M.W. is present together with additional bands of higher and/or lower M.W.) partially consistent

Figure 9(a)

## REDUCTION OF INFECTION DATA FOR THE 5 ANTIGEN MIX

PRO 4 EXPERIMENT

GROUP	DAYS POST	Mean	SD	%Reduction	P value
	INFECTION	IFU/swab	•	of infection	
INFECTION	7	10112	5900		
	14	1048	1193		
	21	49	85	-	
Al/CpG	7	11810	10700		
	14	2460	2334		
	21	80	253		
CFA	7	6016	5475		
	14	920	2439		
	21	642	1912		
live EB	7	610	1764	95	0.002
	14	268	609	89	0.001
	21	(		)	
HIS +Al-CpG	7	12903	1067	NO RED.	
	14	4275	267	NO RED.	
	21	80.	1344	1	
45/89/396/398/381 HIS + Al-CpG	7	. 1668	1480	86	0.004
	14	555	909	77	0.02
	21	. 29	5 70	70	0.28

Figure 9(b)

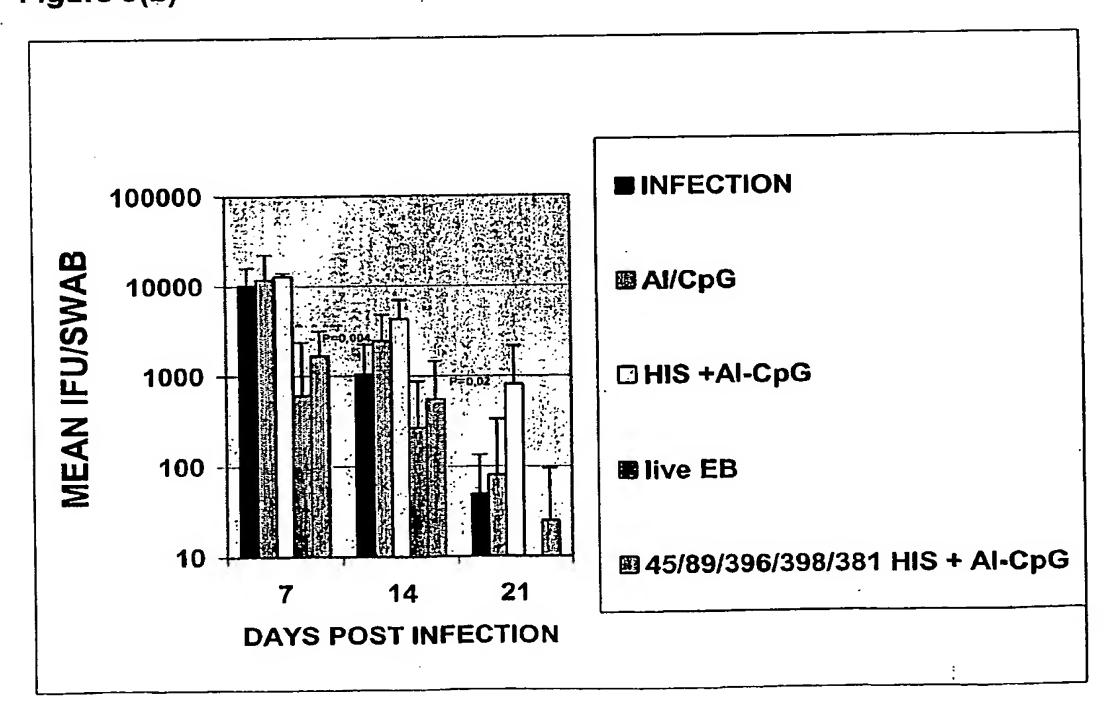


Figure 9(c)

SEROLOGY DATA PRO 4

EXPERIMENT

antigen     tot. IgG       45 HIS     121103       89 HIS     75309       396 HIS     98131	1001				
45 HIS 89 HIS 396 HIS	August Land	E. IgGza	EBS	K-S on EDS	
	319524	60939	P.C.	27.10	1:120
	268048	58123	P.C.		<del></del>
	291254	90791	P.C.		
398 HIS 49545	315410	64370	P.C.		···
	23624	2910	P.C.		

partially consistent

(a band of the expected M.W. is present together with additional bands of higher and/or lower M.W.)

Figure 10(a)

## NEUTRALIZATION DATA FOR THE 5 ANTIGEN MIX

antigen	mean titer		SD
LIVE EB		110	2:
mix 5+ Al/CpG		120	3
NN-HIS+ Al/CpG		0	
buffer+Al/CpG		0	<u>,                                    </u>

## Figure 10(b)

